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MEETING THE ENVIRONMENTAL CHALLENGES OF THE 1980's

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Ministry
of the
Environment

The Honourable
Keith C. Norton, Q.C.,
Minister

Gérard J. M. Raymond
Deputy Minister

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Message from the Minister

Ontario is endowed with a bountiful and pleasing natural environment. Our air and water resources plus our land base sustain and support a diverse industrial economy. They give us the opportunity to enjoy a healthy way of living, nearly boundless recreational opportunities, and other countless amenities of life.

Whenever I have been away from Ontario, my return always reminds me of this bounty and how fortunate we are to have received this natural heritage. Protecting our natural environment is both a challenge and a responsibility in which all of us should share.

Our natural environment, as everyone knows by now, cannot freely provide us with all its traditional benefits without our care and protection. The environment is under significant stresses that are generated in Ontario, and it suffers from stresses that originate elsewhere.

Ontario has devoted increasing resources over the last few decades to protecting our environment from environmental stress. I think that all of us in Ontario can take some pride and

satisfaction in the environmental improvements that have resulted. Our air quality in our major industrial areas has improved markedly. Our water resources have been largely freed from the burdens imposed by the traditional forms of water pollution. Our land resources are receiving better protection than ever before from the impact of indiscriminate waste disposal.

These improvements in our protection of the environment now allow us to face the significant challenges of the 1980's and 90's. We now know how to identify potentially harmful substances in minute amounts. Our ongoing tasks will be to understand the significance of these forms of pollution, to assess their risks to our public health and the overall natural environment, and to deliver regulatory programs that will allow us to continue to enjoy our way of life and the enormous benefits that the natural environment confers upon us.

The reorganization of our Ministry, as detailed in this plan, demonstrates our determination to fulfill our mandate of protecting public health and the environment and meet the challenges that we will face.



Keith C. Norton, Q.C.
Minister of the Environment

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MINISTRY OF THE ENVIRONMENT

MEETING THE ENVIRONMENTAL CHALLENGES

OF THE 1980's

HAZARDOUS CONTAMINANTS
AND STANDARDS BRANCH
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INTRODUCTION

The Ministry faces a set of challenges radically different from those faced since its inception. Ministry efforts during the 1960's and 1970's were primarily directed towards control of traditional pollutants, which are now largely regulated and will basically only require the maintenance of existing programs. Ontario's investments in water and sewage treatment facilities have paid large dividends in the protection of our waterways and drinking water. Air pollution control measures have significantly improved the air quality of the Province. Our solid waste disposal practices have improved markedly.

However, a new awareness of potential health effects and environmental impacts of many pollutants imposes a new set of challenges. For instance, a number of pollutants now of concern could not previously be identified at very low concentrations. The Ministry also has increasing concern over diffuse or hard to control sources that were not previously regulated. It is increasingly realized that regulation involves the difficult evaluation of risks and the proper assessment of benefits and costs.

These new circumstances have led the Ministry to reconsider its corporate mandate. As a result, the Ministry has adopted the following goal statement:

To achieve and maintain a quality of the environment - including air, water and land - that will protect human health and the ecosystem and will contribute to the well-being of the people of Ontario.

In order to meet these newly recognized needs and to put greater focus on the regulation of discharges to the environment, the Ministry requires an improved and future-oriented organization.

A new organizational structure for the Ministry of the Environment is illustrated and described in this report. It may be summarized briefly as follows:

Reporting directly to the Deputy Minister are four major Divisions -

- . an Environmental Planning Division
- . an Intergovernmental Relations and Strategic Projects Division
- . a Regional Operations Division, and
- . a Finance and Administration Division

as well as a Policy and Planning Branch which is to coordinate the development of policy and programs corporately, thus providing the necessary technical staff support to the divisional structure.

The following branches and offices, in view of the nature of their responsibilities, will also report directly to the Deputy Minister:

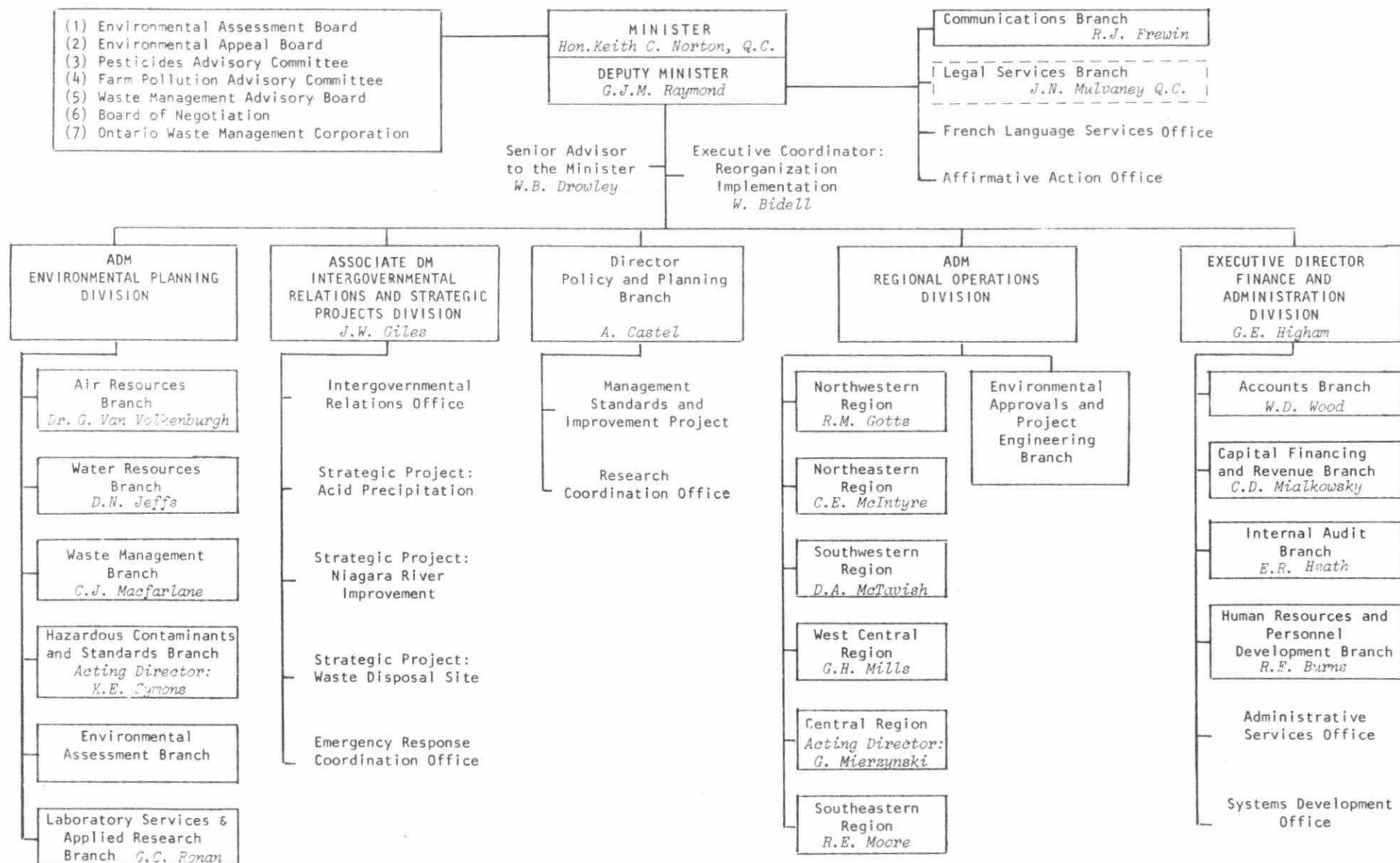
- . Legal Services Branch
- . Communications Branch
- . French Language Services Office, and
- . Affirmative Action Office.

The roles and objectives of the various Divisions and Branches within the new organizational structure are provided in this report.



G.J.M. Raymond,
Deputy Minister

MINISTRY OF THE ENVIRONMENT



ENVIRONMENTAL PLANNING DIVISION

ENVIRONMENTAL PLANNING DIVISION

In keeping with the goal statement, the Ministry requires comprehensive integrated plans to meet the new challenges that it faces.

The role of the Environmental Planning Division is:

To develop plans and programs

- (a) to protect air quality,
- (b) to protect surface and ground water quality and quantity,
- (c) to manage wastes,
- (d) to ensure an adequate quality of drinking water,

and to promote the consideration of the environment in the planning and development of undertakings.

The Division consists of six Branches:

- . an Air Resources Branch
- . a Water Resources Branch
- . a Waste Management Branch
- . a Hazardous Contaminants and Standards Branch,
- . an Environmental Assessment Branch, and
- . a Laboratory Services and Applied Research Branch

Air Resources Branch

ROLE: To develop plans and programs to protect air quality and to monitor their results.

OBJECTIVES:

1. To assess the presence and transport of airborne substances and to determine their effects.
2. To develop regulatory mechanisms to protect air quality.
3. To assess the impact of noise on the environment and develop regulatory mechanisms for its control.
4. To provide expertise on air pollution control technology and processes.

Water Resources Branch

ROLE: To develop and monitor the results of plans and programs:

- (a) to protect and upgrade water quality in lakes, rivers, streams and ground water;
- (b) to develop water resources and provide for the fair sharing and conservation of available resources for multiple uses;
- (c) to protect the public from contaminants in water and fish;

OBJECTIVES:

1. To assess the presence of waterborne pollutants and to determine their pathways and effects on water quality and aquatic ecosystems.
2. To develop regulatory mechanisms and management techniques to protect drinking water quality, and surface and ground water quality and uses.
3. To evaluate conditions in the Great Lakes and determine plans for the protection and enhancement of water quality.
4. To provide expertise on drinking water control technology and on drinking water treatment processes.

Waste Management Branch

ROLE: To develop plans and programs to manage the generation, reuse, collection, transportation, treatment and disposal of domestic, commercial, and industrial wastes and to monitor their results.

OBJECTIVES:

1. To develop regulatory mechanisms for the control of treatment and disposal systems for hazardous, hauled liquid industrial wastes and other wastes requiring special treatment in order to protect public health and the environment.
2. To develop regulatory mechanisms for the control of waste management sites in order to confine or reduce their detrimental effects.
3. To promote the recovery and utilization of material and energy resources from waste through the provision of market information and the development of technology.

Hazardous Contaminants and Standards Branch

- ROLE:
- (a) To assess the significance of hazardous contaminants and coordinate Ministry activities for their control.
 - (b) To establish standards for the protection of public health and the environment.

OBJECTIVES:

- 1. To identify hazardous contaminants and their potential effects on the environment.
- 2. To prioritize hazardous contaminants requiring control strategies.
- 3. To coordinate the development of plans and programs for the control of hazardous contaminants and pesticides.
- 4. To identify and prioritize the Ministry's needs for establishing environmental standards.
- 5. To coordinate the development of environmental standards.

Environmental Assessment Branch

ROLE: To promote the consideration and inclusion of environmental, social and economic alternatives in the planning and development of undertakings.

OBJECTIVE: To coordinate the review and evaluation of environmental assessments of proposed undertakings.

Laboratory Services and Applied Research
Branch

ROLE: To provide analytical laboratory services and applied research services to the Ministry.

OBJECTIVES:

1. To provide sample testing support for Ministry programs.
2. To develop analytical methods for measuring pollutants.
3. To provide expertise in data interpretation and in planning and implementing Ministry programs.
4. To carry out applied research studies on environmental phenomena in support of Ministry programs.

INTERGOVERNMENTAL RELATIONS AND

STRATEGIC PROJECTS

DIVISION

The role of the Intergovernmental Relations and Strategic Projects Division is:

To coordinate the Ministry's approach to designated critical issues and orchestrate its intergovernmental activities.

The Division provides a responsive structure to deal with designated issues which have a high profile and require coordinated and integrated action by the Ministry.

The Division also assists in the development of the Ministry's position to resolve pollution problems that are shared with other jurisdictions both nationally and internationally. The Division develops bilateral and multilateral agreements with other jurisdictions in support of the Ministry's ongoing control strategies.

The Division's mandate is dynamic. It is presently composed of two Offices and three Strategic Projects, as follows:

- . the Intergovernmental Relations Office,
- . the Emergency Response Coordination Office,
- . the Acid Precipitation Project,
- . the Niagara River Improvement Project, and
- . the Waste Disposal Site Project.

CORPORATE POLICY AND PROGRAM DEVELOPMENT

Policy and Planning Branch

ROLE: To evaluate the Ministry's policies, programs, and resource needs and to coordinate the effective management and efficient utilization of Ministry resources.

OBJECTIVES:

1. To assist in policy development and to provide for the coordination and analysis of Ministry policy.
2. To develop and maintain the Ministry's strategic planning process.
3. To develop and maintain the Ministry's operational planning systems and evaluate Ministry programs.
4. To manage the Ministry's corporate intra-governmental relations.
5. To provide socio-economic expertise to the Ministry.
6. To provide organizational policy support to the Deputy Minister.
7. To provide analytical and secretariat support to the Executive Committee, the Management Committee, and the Policy Committee.

8. To coordinate the identification of the Ministry's research needs and evaluate those needs.
9. To monitor external research performance and encourage the application of research results to the solution of environmental problems.

The Branch also coordinates an internal "Management Standards and Improvement Project", following the pattern set by the government-wide Management Standards Project. The objectives of this project are:

- . to develop improved management processes appropriate for the Ministry's mandate, and
- . to apply these processes throughout the Ministry's operations.

REGIONAL OPERATIONS

DIVISION

REGIONAL OPERATIONS DIVISION

This Division is the compliance and delivery arm of the Ministry. Its job is to enforce regulations, control emissions, and deliver abatement programs in accordance with plans and policies developed by the Environmental Planning Division.

The role of the Regional Operations Division is:

To deliver programs

- (a) to protect air quality,
- (b) to protect surface and ground water quality and quantity,
- (c) to manage the disposal of wastes,
- (d) to ensure an adequate quality of drinking water, and
- (e) to control the use of pesticides.

The Division consists of six Regions and one head office Branch:

- . Northeastern Region
- . Northwestern Region
- . Southwestern Region
- . West Central Region
- . Central Region
- . Southeastern Region
- . Environmental Approvals and Project Engineering Branch

Regions

The responsibilities of the Regions are:

1. To administer programs for the regulation of pollution sources.
2. To administer regulations for the proper construction and operation of water wells.
3. To administer plans and policies for the proper development, operation and closure of waste disposal sites and the proper operation of waste management systems.
4. To administer regulatory mechanisms for the storage and use of pesticides.
5. To manage and operate Ministry water and sewage plants and systems.
6. To monitor the quality of the natural environment.
7. To respond to public complaints and environmental emergencies.
8. To review land-use plans in order to encourage environmental safeguards in land development.

9. To evaluate environmental assessments of proposed undertakings and monitor environmental assessment recommendations.
10. To administer regulatory programs for water use to provide for a fair sharing of available resources and maintenance of water supplies.
11. To monitor and investigate discharges to the environment.
12. To contribute to water management plans which will allow for multiple water uses.
13. To administer programs for the control of noise.

Environmental Approvals and Project
Engineering Branch

- ROLE:
- (a) To review and process applications required under the Environmental Protection Act, the Ontario Water Resources Act and the Pesticides Act.
 - (b) To promote the consideration of the environment in land-use policies and programs.
 - (c) To encourage the development of a water supply and sewage treatment infrastructure through the provision of engineering and construction assistance to municipalities.

OBJECTIVES:

- 1. To review applications for the approval of air emissions, noise, and wastewater discharges.
- 2. To review applications for the approval of proposed municipal water treatment systems.
- 3. To review applications for the approval of proposed municipal and industrial waste management sites and systems.
- 4. To administer licensing and permit issuing functions relating to pesticides and water use.

5. To review requests from municipalities for the support of water and sewage works and to provide project management and engineering services where necessary.
6. To coordinate environmental comments on land-use planning activities and land-use policies.

FINANCE AND ADMINISTRATION

DIVISION

FINANCE AND ADMINISTRATION DIVISION

This Division provides support to the planning and implementation activities of the Ministry.

The role of the Finance and Administration Division is:

To provide financial, administrative and personnel support and development services for the Ministry's programs and to ensure compliance with the Ontario Financial and Administrative Manuals.

The Division consists of four Branches and two Offices:

- . Accounts Branch
- . Capital Financing and Revenue Branch
- . Internal Audit Branch
- . Human Resources and Personnel Development Branch
- . Administrative Services Office
- . Systems Development Office

Accounts Branch

ROLE: To provide financial support services to the Ministry.

OBJECTIVES:

1. To maintain the Ministry's financial information system.
2. To maintain financial controls on operating expenditures and to process the related documents.
3. To support the multi-ministry computerized financial information system.
4. To ensure compliance with the Ontario Government financial policies and procedures.

Capital Financing and Revenue Branch

ROLE: To provide financial management for the capital and grant programs of the Ministry of the Environment and to control the receipt of revenues.

OBJECTIVES:

1. To provide financial administration for the construction and operation of Provincial water and sewage facilities.
2. To provide a capital disbursement service for the processing of engineering and construction certificates and grants and for the payment of expenditures incurred on behalf of municipalities for the operation of water and sewage facilities.
3. To collect revenue due to the Ministry under agreements and contracts.
4. To carry out the financial requirements of special funds, cost sharing agreements and grants administered by the Ministry.
5. To ensure compliance with the Ontario Government financial policies and procedures.

Internal Audit Branch

ROLE: To examine and evaluate the efficiency, economy and effectiveness of the systems of management control and practices utilized by the Ministry.

OBJECTIVES:

1. To appraise the adequacy and application of accounting, financial and other operating controls.
2. To promote cost effective operating controls.

Human Resources and Personnel
Development Branch

ROLE: To provide assistance and advice on all aspects of personnel management and development.

OBJECTIVES:

1. To provide personnel administration and development services to the Ministry.
2. To provide payroll and personnel information services.
3. To ensure adequate staff capabilities by conducting long range manpower planning and technical training.
4. To ensure consistent application of the collective agreement and the effective resolution of grievances.
5. To provide training of municipal water and sewage treatment plant operators.
6. To develop and maintain the Ministry's Safety Policies.
7. To develop and assist in the implementation of a Ministry-wide performance appraisal program.

8. To liaise with Ontario educational institutions regarding training programs for the promotion of environmental expertise.
9. To ensure compliance with the Ontario Government personnel policies and procedures.

Administrative Services Office

ROLE: To provide administrative support services to the Ministry.

OBJECTIVES:

1. To provide the Ministry with purchasing services and office support services.
2. To ensure compliance with the Ontario Government administrative policies and procedures.

Systems Development Office

ROLE: To provide developmental and operating support for the Ministry's computerized information systems.

OBJECTIVES:

1. To assess the need for computerized information systems.
2. To assist in the implementation of computerized information systems.
3. To provide the Ministry with computer systems operating services.
4. To coordinate the use of computers in the Ministry.

OTHER ORGANIZATIONAL AREAS

REPORTING TO THE

DEPUTY MINISTER

Communications Branch

ROLE: To plan and implement communications strategies and programs in support of Ministry policies and activities.

OBJECTIVES:

1. To provide communications services to the Ministry.
2. To provide information on Ministry policies and programs to the public.
3. To provide library services to the Ministry and the public.
4. To encourage the development of environmental programs in Ontario educational institutions.

Legal Services Branch

ROLE: To provide legal services to the
Ministry on a solicitor/client basis.

OBJECTIVES:

1. To prepare legislation and regulations
in support of Ministry programs.
2. To act as Counsel in Ministry legal
proceedings.
3. To advise on the preparation of
enforcement instruments.
4. To advise on the preparation of contracts
supporting Ministry programs and
projects.

French Language Services Office

ROLE: To provide coordination of French language services.

OBJECTIVES:

1. To establish Ministry guidelines that reflect Government policy on French language services.
2. To participate in the development and implementation of French language services within the framework of Ministry programs ensuring the effective delivery of a full range of French language services to Franco-Ontarians.
3. To establish and maintain liaison between the Franco-Ontarian community and the Ministry ensuring that Ministry programs respond to the specific needs of Franco-Ontarians.

Affirmative Action Office

ROLE: To raise the level and diversify the occupational distribution of women employees in the Ministry.

OBJECTIVES:

1. To develop annual Ministry plans for Affirmative Action in accordance with guidelines provided by the Women Crown Employees Office.
2. To review and monitor structures and practices within the Ministry to assess their impact on Affirmative Action for the benefit and guidance of women employees and program managers.
3. To develop and distribute information on Affirmative Action for the benefit and guidance of women employees and program managers.
4. To liaise with the Women Crown Employees Office, Affirmative Action Coordinators in other Ministries and other groups to develop and exchange information.

APPENDIX 1

LEGISLATION

1. Ministry of the Environment Act
2. Environmental Protection Act
3. Ontario Water Resources Act
4. Pesticides Act
5. Environmental Assessment Act
6. The Ontario Waste Management Corporation Act,
1981
7. The Consolidated Hearings Act, 1981

APPENDIX 2

CORPORATE COMMITTEES

Committee: Executive Committee

Chairman: Minister

Deputy Minister

Membership

- . Associate Deputy Minister, Intergovernmental Relations and Strategic Projects Division
- . Assistant Deputy Minister, Environmental Planning Division
- . Assistant Deputy Minister, Regional Operations Division
- . Executive Director, Finance and Administration Division
- . Senior Advisor to the Minister
- . Director, Policy and Planning Branch
- . Special Assistant to the Minister (at the pleasure of the Minister)
- . Press Secretary to the Minister (at the pleasure of the Minister)
- . Executive Assistant to the Deputy Minister

- . Director, Legal Services Branch (As and when required)
- . Director, Communications Branch (As and when required)

Responsibilities

- . To decide on Ministry policy
- . To decide on strategic planning directions

Analytical and Technical Support

- . Provided by Policy and Planning Branch

Committee: Management Committee

Chairman: Deputy Minister

Membership

- . Associate Deputy Minister, Intergovernmental Relations and Strategic Projects Division
- . Assistant Deputy Minister, Environmental Planning Division
- . Assistant Deputy Minister, Regional Operations Division
- . Executive Director, Finance and Administration Division
- . Director, Policy and Planning Branch
- . Executive Assistant to Deputy Minister
- . Delegate(s) of the Minister (at the pleasure of the Minister)

Responsibilities

- . To resolve all management and operational issues.
- . To implement management and operational plans necessary to activate policy decisions and strategic plans.

Analytical and Technical Support

- . Provided by Policy and Planning Branch

Committee: Policy Committee

Chairman: Deputy Minister

Membership

- . Associate Deputy Minister, Intergovernmental Relations and Strategic Projects Division
- . Assistant Deputy Minister, Environmental Planning Division
- . Assistant Deputy Minister, Regional Operations Division
- . Executive Director, Finance and Administration Division
- . Director, Policy and Planning Branch
- . Director, Legal Services Branch
- . Executive Assistant to the Deputy Minister
- . Delegate(s) of the Minister (at the pleasure of the Minister)

Responsibilities

- . To identify issues requiring policy development.
- . To identify responsibility for policy development.
- . To ensure proper development of Ministry policy through the Policy Development Process.
- . To recommend policy options to the Executive Committee including legislative changes and regulations.

Analytical and Technical Support

- . Provided by Policy and Planning Branch

Committee: Strategic Planning Committee

Chairman: Director, Policy and Planning Branch

Membership

- . Director, Water Resources Branch
- . Director, Waste Management Branch
- . Director, Laboratory and Applied Research Branch
- . Director, Central Region
- . Senior Policy Analysts (2), Policy and Planning Branch

Reporting

- . To Deputy Minister

Responsibilities

- . To direct strategic planning research.
- . To recommend strategic plans to the Policy and Executive Committees.

Analytical and Technical Support

- . Provided by Policy and Planning Branch

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